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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/053,130	11/13/2001	Orly Yadid-Pecht	56156628-2	6363

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EXAMINER

DANG, DUY M

ART UNIT	PAPER NUMBER
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2621

DATE MAILED: 08/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/053,130

Applicant(s)

YADID-PECHT, ORLY

Examiner

Duy M. Dang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 May 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-16 is/are allowed.
- 6) ☒ Claim(s) 17 and 18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 May 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Applicant's amendment filed 5/27/05 has been entered and made of record.
2. Applicant's amended drawings filed 5/27/05 has been approved by the examiner.
3. Claim 1 is objected to because of the following informalities: in line 16 (step i), the "then" ought to be changed to "than". Appropriate correction is required.
4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 17-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 17 recites the limitation "the compressed image" in line 2. There is insufficient antecedent basis for this limitation in the claim. Further, the claimed "coding the compressed image by the representative pixels and the stored data" is unclear to what it refers to. It is also unclear to what the "compressed image" is about. Clarification is required.

Dependent claim 18 is also rejected for the same reasons as above.

6. Claims 17-18 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

7. Claims 1-16 are allowed.

8. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the closest prior art [USPN 5,909,026] fails to teach or suggest the features of: defining a pixel attribute value that can be represented by an analogue value; determining a threshold level for said pixel attribute value; calculating a represented value for

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each block and storing said represented value; comparing the represented value of each block to the represented value of its adjacent blocks; whenever the difference between two adjacent compared blocks is greater than said threshold level and as long as the block size is larger than one pixel, performing the following steps: (1) dividing said adjacent compared blocks into sub-blocks, each of which containing $A/2 \times B/2$ pixels and storing data related to the division of said adjacent compared blocks into sub-blocks, 2) calculating the represented value for each sub-block, and 3) comparing the stored represented value of each sub-block to the stored represented value of its adjacent sub-blocks; and whenever the difference between two adjacent compared blocks or sub-blocks is lower than, or equal to, said threshold level, representing said blocks or sub-blocks by representative pixels with identical attribute level which is equal to the represented value of the pixels that correspond to said compared block or sub-block, thereby compressing said image.

Dependent claims 2-11 are also allowable for the same reasons as above.

Regarding claim 12, the closest prior art [USPN 5,909,026] fails to teach or suggest the features of: sensor means for sensing the analog values defines as the pixels attributes; circuitry for calculating a represented value from said attributes for said group of pixels; a set of one or more comparators for comparing the difference between the represented value of said group of pixels and the represent value of another group of pixels, to a predetermined threshold value; circuitry for storing data that represent one or more adjacent groups of pixels, for which said difference is not greater than said represented value; and control circuitry for controlling data transfer between said two dimensional array and the said data storage bank, for controlling the

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operations said calculating circuitry, for controlling the operations of said set of one or more comparators and for controlling data transfer into said storage circuitry.

Dependent claims 13-16 are also allowable for the same reasons as above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

9. Applicant's amendments and arguments, filed 5/27/05, with respect to the rejection(s) of claim(s) 1-18 under 35 USC 112, 2nd paragraph have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new rejection of claims 17-18 is presented in this office action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duy M. Dang whose telephone number is 571-272-7389. The examiner can normally be reached on Monday to Friday from 5:30AM to 2:00PM

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Mancuso can be reached on 571-272-7695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

dmd
8/05

A handwritten signature in black ink, appearing to read 'Duy M. Dang', written in a cursive style.

Duy M. Dang
Patent Examiner